

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Previously Presented): A transport stream recording apparatus comprising:  
an input unit operable to input a transport packet constituting said transport stream;  
a generator operable to generate program sequence information indicative of a) an interval in which the number of video and/or audio elementary streams in said transport stream does not change or b) an interval in which a coding attribute of each video and/or audio stream in said transport stream does not change; and  
a recording unit operable to record said program sequence information along with said transport stream.

Claim 2 (Original): A transport stream recording apparatus according to claim 1, wherein said generator generates program sequence information indicative of the sequence of transport packets that includes no PCR PID discontinuity.

Claims 3-5 (Canceled).

Claim 6 (Currently Amended): A transport stream recording apparatus according to claim [[5]] 1, wherein said coding attribute includes video frame frequency.

Claim 7 (Currently Amended): A transport stream recording apparatus according to claim [[5]] 1, wherein said coding attribute includes aspect ratio.

Claim 8 (Currently Amended): A transport stream recording apparatus according to claim [[5]] 1, wherein said coding attribute includes audio coding method.

Claim 9 (Currently Amended): A transport stream recording apparatus according to claim [[5]] 1, wherein said coding attribute includes audio component type.

Claim 10 (Currently Amended): A transport stream recording apparatus according to claim [[5]] 1, wherein said coding attribute includes sampling frequency.

Claim 11 (Previously Presented): A transport stream recording method, comprising:  
receiving a transport packet constituting said transport stream;  
generating program sequence information indicative of a) an interval in which the number of video and/or audio elementary streams in said transport stream does not change or  
b) an interval in which a coding attribute of each video and/or audio stream in said transport stream does not change; and  
recording said program sequence information along with said transport stream.

Claims 12-13 (Canceled).

Claim 14 (Previously Presented): A computer readable storage medium including computer executable code embedded in the computer readable storage medium for performing a method for recording a transport stream, the computer program code performing:

receiving a transport packet, said transport stream including said transport packet;  
generating program sequence information indicative of a) an interval in which the number of video and/or audio elementary streams in said transport stream does not change or

b) an interval in which a coding attribute of each video and/or audio stream in said transport stream does not change; and

recording said program sequence information along with said transport stream.

Claims 15-16 (Canceled).